

To the fauna of the Noctuoidea of Tajikistan

(Lepidoptera)

by

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Abstract: In the present paper data about 84 species of Noctuoidea, collected by our expedition in Tajikistan in 2011, are given (Erebidae: 7 species; Nolidae: 1 species; Euteliidae: 1 species; Noctuidae: 75 species). 28 species are recorded from this territory for the first time.

Резюме: В настоящей работе приводятся сведения о 84 видах чешуекрылых ноктуологического комплекса, собранных нашей экспедицией в Таджикистане в 2011 году (Erebidae: 7 видов; Nolidae: 1 вид; Euteliidae: 1 вид; Noctuidae: 75 видов). 28 видов впервые приводятся для этой территории.

In 2011 (13th-26th July) my friends, and myself, we participated in an entomological expedition to the Tajik Republic (about this expedition see Atalanta 43: 169-172). Here we report about the Noctuoidea species collected during this trip.

The number of articles on the Noctuoidea fauna of Tajikistan is very low: GRUM-GRSHIMAÏLO (1890), FORSTER & ROSEN (1940), SHCHETKIN (1963, 1965, etc.), HACKER & PECKS (1990), LEHMANN et al. (1998).

Much more papers of the studied region do not exist, so the overall view (including zoogeography) of the Heterocera fauna is still very incomplete. Additional data can be extracted from numerous taxonomic papers (for example, in Esperiana, Atalanta, Nota lepidopterologica, etc.). We collected representatives of 4 families of the Noctuoidea-complex, 28 of them are here recorded from this area for the first time.

All photos of biotopes are made by the author from the places where the night trapping equipment exactly was mounted (coordinates of these places are in the list of the collecting points). All species have been identified or checked by O. N. PEKARSKY (Budapest, Hungary) and A. Yu. MATOV (St.-Petersburg, Russia). The main part of the material is preserved in the author's collection, some material is also preserved in the collection of A. NIKOLAEV (Cherepovets, Vologda Province, Russia) and O. N. PEKARSKY (Budapest, Hungary). I am greatly indebted to O. N. PEKARSKY and A. Yu. MATOV for their valuable help with determination of insects and to A. NIKOLAEV for the loan of material.

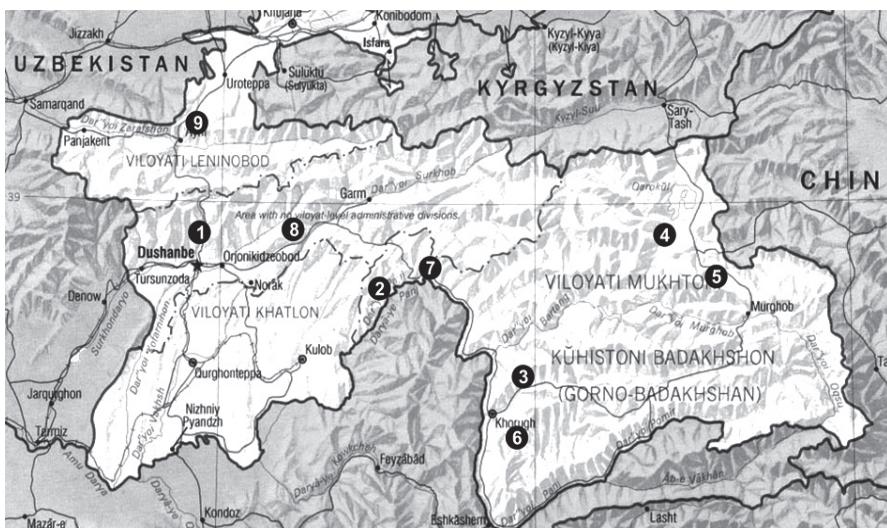


Fig 1: Map of the collecting points. See text.:

1. Tajikistan, Turkestansky Mts., near Shakhristan tunnel, 2793 m, 13.VII.2011 (N 39 31.236, E 68 33.444) (fig. 2).
2. Tajikistan, Darvazsky Mts., 10,45 km SW of Padkinov kishlak on Afghanistan - Tajikistan border (Pyandzh river), 1130 m, 15.VII.2011 (N 38 18.485, E 70 36.216) (fig. 3).
3. Tajikistan, Shugnansky Mts., 2,5 km SW of kishlak Vodzh, 2672 m, 16.07.2011 (N 37 41.887, E 71 55.821) (fig. 4).
4. Tajikistan, East Pamirs, Severnyi Tanymas Mts., 18,5 km SW of southern limit of Karakul lake, 3918 m, 18.VII.2011 (N 38 43.041, E 73 12.097) (fig. 5).
5. Tajikistan, Severo-Alichurskiy Mts., road to Murgab, 5,84 km SSW from Karasu, 3943 m, 19.VII.2011 (N 37 57.870, E 73 54.587) (fig. 6).
6. Tajikistan, Shakhdarinsky Mts., Vezdara river valley near Vezd kishlak, 2900-3800 m, 20.-22.VII.2011 (N 37 12.102, E 71 49.768) (fig. 7).
7. Tajikistan, Darvazsky Mts, 6,2 km S of kishlak Barou on Afghanistan-Tajikistan border (Pyandzh river), 1339 m, 23.VII.2011 (N 38 26.621 E 71 02.277) (fig. 8).
8. Tajikistan, Gissarsky Mts. near Obigarm settlement, 1408 m, 24.VII.2011 (N 38 43.257 E 69 41.013) (ночевка) (fig. 9).
9. Tajikistan, Turkestansky Mts., Shakhristan Pass, 12 km from summit, 2517 m, 26.07.2011 (N 39 34.771 E 68 34.828) (fig. 10).

Systematic list of the collected species

Family Erebidae LEACH, 1815,

Subfamily Boletobiinae GROTE, 1895

Eublemma conistrota HAMPSON, 1910. 1 ♂, 6. New to Tajikistan.

E. squalida (STAUDINGER, 1878). 1 ♂, 6. New to Tajikistan.

Subfamily Erebinae Leach, 1815

Drasteria cailino (LEFÉBVRE, 1827). 1 ♂, 5.

D. sculpta (PÜNGELER, 1904). 1 ♂, 2; 4 ♀♀, 6. New to Tajikistan.

D. caucasica (KOLENATI, 1846). 1 ♀, 3; 1 ♂, 1 ♀, 5.

Dysgonia algira (LINNAEUS, 1758). 1 ♂, 2.

Family Nolidae BRUAND, 1846

Subfamily Chloephorinae STAINTON, 1859

Arcyophora dentula (LEDERER, 1870). 1 ♂, 2.

Family Euteliidae GROTE, 1882

Subfamily Metoponinae HERRICH-SCHÄFFER, 1851

Tyta luctuosa ([DENIS & SCHIFFERMÜLLER], 1775). 1 ♂, 2.

Family Noctuidae LATREILLE, 1809

Subfamily Plusiinae BOISDUVAL, 1828

Euchalcia anthea RONKAY, RONKAY & BEHOUNEK, 2008. 3 ♂♂, 6.

E. shugnana SHELJUZHKO, 1929. 1 ♂, 3.

Pseudochalcea cf. *inconspicua* (GRAESER, 1888). 1 ♂, 6. New to Tajikistan. This species was known only from "...the eastern regions of Tien Shan massif" (RONKAY et al., 2008: 49) and West Tian-Shan ("Mt. Bolshoy Chingan...") (HACKER & PECKS, 1990: 416).

Autographa camposema (HAMPSON, 1913). 1 ♀, 2.

Subfamily Acronictinae HEINEMANN, 1859

Acronicta aceris eleagni ALPHERAKY, 1887. 3 ♂♂, 4 ♀♀, 3; 1 ♀, 5; 1 ♂, 6.

Subfamily Acontiinae GUENÉE, 1841

Acontia lucida (HUFNAGEL, 1766). 1 ♂, 1. New to Tajikistan.

Subfamily Cuculliinae HERRICH-SCHÄFFER, 1850

Cucullia cineracea argyllacea HACKER, RONKAY & RONKAY, 1990. 3 ♂♂, 6.

Oncocnemis exacta CHRISTOPH, 1887. 1 ♂, 5.

O. strioligera LEDERER, 1853. 1 ♂, 9.

Subfamily Heliothinae BOISDUVAL, 1828

Pyrrhia umbra (HUFNAGEL, 1766). 2 ♂♂, 1 ♀, 6. New to Tajikistan.

Subfamily Bryophilinae GUENÉE, 1852

Cryphia maeonis (LEDERER, 1865). 5 ♂♂, 8 ♀♀, 2; 1 ♀, 3; 1 ♂, 6. New to Tajikistan.

C. miltophaea (HAMPSON, 1908). 3 ♂♂, 1 ♀, 6. New to Tajikistan.

C. sp. (bona?). 3 ♂♂, 6.

C. rueckbeili (BOURSIN, 1953). 3 ♂♂, 6 ♀♀, 2.

C. algae (FABRICIUS, 1775). 1 ♂, 6.

C. felina (EVERSMANN, 1852). 1 ♂, 5, 1 ♂, 6.

C. subliterata FILIPJEV, 1931. 1 ♂, 6.

Subfamily Xyleninae GUENÉE, 1837

Caradrina clavipalpis (SCOPOLI, 1763). 1 ♀, 1.V.1991, Kugitang-Tau Mts.

C. montana (BREMER, 1864). 3 ♂♂, 6.

C. terrea FREYER, 1840. 1 ♂, 6.

Hoplodrina leviuscula (STAUDINGER, 1888). 1 ♂, 5. New to Tajikistan.

H. ambigua ([DENIS & SCHIFFERMÜLLER], 1775). 1 ♂, 1 ♀, 2.

Anthracia turcomanica (CHRISTOPH, 1893). 1 ♂, 7. New to Tajikistan.

Phoebophilus amoenus STAUDINGER, 1888. 3 ♂♂, 4 ♀♀, 6. New to Tajikistan.

Calamia deliciosa BOURSIN, 1957. 5 ♂♂, 6. New to Tajikistan.

Apamea lateritia (HUFNAGEL, 1766). 1 ♂, 1 ♀, 2; 1 ♂, 3 ♀♀, 6; 2 ♂♂, 3 ♀♀, 9.

A. furva ([DENIS & SCHIFFERMÜLLER], 1775). 1 ♂, 6.

Resapamea hedeni (GRAESER, [1889]). 1 ♂, 6. New to Tajikistan.

Cosmia subtilis STAUDINGER, 1888. 1 ♀, 2. New to Tajikistan.

Bryopolia chamaeleon (ALPHÉRAKY, 1887). 2 ♂♂, 3; 2 ♂♂, 5; 6 ♂♂, 1 ♀, 6.

B. tenuicornis (ALPHÉRAKY, 1887). 1 ♂, 5. New to Tajikistan. Quite rare species, "...the majority of the known localities is known from old collectings" (VARGA et al., 1990: 439).

Bryoxena centralasiae (STAUDINGER, 1882). 1 ♂, 6; 3 ♂♂, 9.

B. constricta RONKAY & VARGA, 1990. 1 ♂, 5; 1 ♂, 6.

Auchmis detersina sericea VARGA & RONKAY, 1991. 1 ♂, 9.

Polymixis acharis (Püngeler, 1901). 2 ♂♂, 3.

P. roehrei (BOURSIN, 1961). 1 ♂, 6.

Mniotype adusta vicina (ALPHÉRAKY 1882). 1 ♂, 6. New to Tajikistan.

M. leucocyma (HAMPSON, 1907). 1 ♂, 6. New to Tajikistan.

Subfamily Hadeninae GUENÉE, 1837

Polia serratilinea spalax (ALPHÉRAKY, 1887). 2 ♂♂, 2 ♀♀, 6.
P. enodata (BANG-HAAS, 1912). 1 ♀, 3; 1 ♂, 6.
Conisania vidua (STAUDINGER, 1888). 1 ♂, 6.
Mythimna ferrago caliginata HREBLAY, 1999. 1 ♀, 2.
M. melania (STAUDINGER, 1889). 1 ♂, 6. New to Tajikistan.
Hecatera dysodea ([DENIS & SCHIFFERMÜLLER], 1775). 1 ♂, 5.
Hadena wiltshirei (BRANDT, 1947). 1 ♂, 5.
Lasionycta orientalis (ALPHÉRAKY, 1882). 2 ♂♂, 5 ♀♀, 2; 1 ♂, 3 ♀♀ 5; 4 ♂♂, 1 ♀, 6; 1 ♀, 9.

Subfamily Noctuinae LATREILLE, 1809

Chersotis sordescens (STAUDINGER, 1900). 1 ♂, 9. New to Tajikistan.
Rhyacia junonia (STAUDINGER, 1881). 1 ♂, 9. New to Tajikistan.
Dichagyris stellans (CORTI & DRAUDT, 1933). 1 ♂, 6.
D. vallesiaca venosa KOZHANTSCHIKOV, 1930. 1 ♂, 6.
D. celebrata (ALPHÉRAKY, 1897). 2 ♂♂, 5; 1 ♂, 1 ♀, 6.
D. elbursica (DRAUDT, 1937). 1 ♂, 3; 1 ♂, 5; 3 ♂♂, 6. New to Tajikistan.
D. candelisequa ([DENIS & SCHIFFERMÜLLER], 1775). 1 ♀, 2.
D. unifica (KOZHANTSCHIKOV, 1937). 1 ♂, 2; 2 ♂♂, 6.
D. improba (STAUDINGER 1888). 1 ♂, 5; 2 ♂♂, 6.
D. humilis (BOURSIN, 1940). 1 ♂, 6. New to Tajikistan.
D. disturbans (PÜNGELER, 1914). 1 ♂, 6.
Trichosilia plumbea (ALPHÉRAKY, 1887). 2 ♂♂, 3; 1 ♂, 5.
Euxoa conspicua (HÜBNER, [1827]). 1 ♂, 9.
E. fallax (EVERSMANN, 1854). 1 ♂, 5.
E. hilaris (FREYER, 1838). 1 ♂, 5. New to Tajikistan.
E. hypochlora BOURSIN, 1964. 1 ♂, 5. New to Tajikistan.
E. ochrogaster (GUENÉE, 1852). 1 ♂, 6.
E. subconspicua (STAUDINGER, 1888). 1 ♂, 6.
E. temera (HÜBNER, [1808]). 1 ♂, 3.
E. privigna PÜNGELER, 1906. 1 ♀, 6. New to Tajikistan.
Agrotis segetum ([DENIS & SCHIFFERMÜLLER], 1775). 1 ♂, 2.
A. epsilon (HUFNAGEL, 1766). 1 ♂, 2; 1 ♀, 9.
Spaelotis deplorata (STAUDINGER, 1896). 1 ♂, 2 ♀♀, 6.
S. demavendi (WAGNER, 1937). 1 ♂, 3. New to Tajikistan.
Eurois occulta (LINNAEUS, 1758). 2 ♂♂, 6.
Xestia c-nigrum (LINNAEUS, 1758). 1 ♀, 2; 1 ♀, 5.
X. erschoffi (STAUDINGER, 1896). 1 ♂, 6. New to Tajikistan.
Eugnorisma trigonica (ALPHÉRAKY, 1882). 1 ♂, 2; 2 ♂♂, 3; 2 ♀♀, 6; 4 ♂♂, 9.
E. deleasma BOURSIN, 1967. 1 ♂, 6. New to Tajikistan.
Eugrapha funkei (PÜNGELER, 1901). 1 ♂, 6.

References

STSHETKIN, Y. L. (1963): To the fauna of Heterocera of the South Tajikistanian lowlands . - Trudy Instituta zoologii I parazitologii AN Tadzh. SSR. **24**: 21-73, Dushanbe (in Russian).
STSHETKIN, Y. L. (1965): Heterocera of the sands of Vaksh valley. - AN Tadzh. SSR.: 1-195, Dushanbe (in Russian).
FORSTER, W. & K. ROSEN (1940): Entomologische Ergebnisse der Deutsch-Russischen Alai-Pamir-Expedition 1928. - Mitt. Münch. Ent. Ges. **30**: 807-819, München.
HACKER, H. & H. PECKS (1990): Beitrag zur Kenntnis der Noctuidenfauna Russisch-Zentralasiens. - Esperiana **1**: 403-420, Scheinfeld.
LEHMANN, L., HACKER, H., KALLIES, A., KLJUTSCHKO, Z. & M. PETERSEN (1998) Noctuoidea (Lepidoptera) aus Zentralasien . - Esperiana **6**: 472-532, Scheinfeld.
RONKAY, L., RONKAY, G. & G. BEHOUNEK (2008): The Witt Catalogue. A taxonomic atlas of the Eurasian and North African Noctuoidea **1**. Plusiinae I. - Heterocera Press, Budapest.
VARGA, Z., RONKAY, L. & H. HACKER (1990): Revision of the genus *Bryopolia* BOURSIN, 1954 (Lepidoptera, Noctuidae). - Esperiana **1**: 427-469, Scheinfeld.

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Fig. 2: Locality 1, Tajikistan, Turkestansky Mts., near Shakhristan tunnel, 2793 m.

Fig. 3: Locality 2, Tajikistan, Darvazsky Mts., 10,45 km SW of Padkinov kishlak on Afghanistan-Tajikistan border (Pyandzh river), 1130 m.

Fig. 4: Locality 3, Tajikistan, Shugnansky Mts., 2,5 km SW of kishlak Vodzh, 2672 m.

Fig. 5: Locality 4, Tajikistan, East Pamirs, Severnyi Tanymas Mts., 18,5 km SW of southern limit of Karakul lake, 3918 m.

Fig. 6: Locality 5, Tajikistan, Severo-Alichurskiy Mts., road to Murgab, 5,84 km SSW from Karasu, 3943 m.

Fig. 7: Locality 6, Tajikistan, Shakhdarinsky Mts., Vezdara river valley near Vezd kishlak, 3200 m.



Fig. 8: Locality 7, Tajikistan, Darvazsky Mts, 6,2 km S of kishlak Barou on Afghanistan-Tajikistan border (Pyandzh river), 1339 m.

Fig. 9: Locality 8, Tajikistan, Gissarsky Mts. near Obigarm settlement, 1408 m.

Fig. 10: Locality 9, Tajikistan, Turkestansky Mts, Shakhristan Pass, 12 km from summit, 2517 m.